

207.4 - Optoelectronics (solid forms)

These SRMs are intended for calibrating equipment (tunable diode lasers, video microscopes, optical spectrum analyzers, etc.) and measurement systems used in optoelectronics manufacturing and in the testing of optoelectronics components (lasers and detectors, optical fiber and fiber components, etc.). SRMs 2514, 2515, 2517a and 2519a are fiber-connected molecular gas absorption cells with lines in the 1510 to 1630 nm region; SRMs 2518 and 2538 are devices with stable and known polarization mode dispersion-2518 simulates mode-coupled differential group delay (DGD) typical of optical fiber, whereas 2538 is a non-mode-coupled device exhibiting relatively wavelength-independent DGD typically found in components; SRM 2520 is an optical fiber specimen with a known cladding diameter value; SRM 2522 is a steel wire, with a known diameter, like those used to size bores in fiber connector ferrules.

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Unit Size
2514	Wavelength Calibration Reference for 1560 nm to 1595 nm (Carbon Monoxide C-12/O-16)	each
2515	Wavelength Calibration Reference for 1595 nm to 1630 nm (Carbon Monoxide C-13/O-16)	each
2517a	High Resolution Wavelength Calibration Reference for 1510–1540 nm Acetylene 12C2H2	each
2518	Polarization Mode Dispersion	each
2519a	High Resolution Wavelength Calibration Reference for 1530-1565 nm Hydrogen Cyanide	each
2520	Optical Fiber Diameter	each
2522	Pin Gage for Optical Fiber Ferrul	each
2523	Optical Fiber Ferrule Geometry	each
8130	Coplanar Waveguide Calibration Set	each